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FACSIMILE TRANSMISSION COVER SHEETTo: Examiner Matthews (facsimile at 571-273-4753)From: Gang Luo (50,559)Your Ref.: 10/554,206Our Ref.: 125665Number of Pages Sent (Including cover sheet): 6Prepared By: gxl**Comments:**

Examiner Matthews:

We enclose a set of proposed claim for discussion at the telephone interview on February 15 at 2 PM.
Thank you.

Regards.

Gang Luo

Sent By: _____

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PROPOSED

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-14. (Canceled)

15. (Currently Amended) A single-piece type intraocular lens comprising:

an optic portion made of a soft acrylic material, the optic portion having an anterior surface, a posterior surface and a periphery that joins the anterior surface and the posterior surface; and

two arm-shaped members made of PMMA (polymethyl methacrylate), each of the arm-shaped members disposed at a joint position on the periphery of the optic portion, each of the arm-shaped members extending away from the optic portion, wherein the soft acrylic material and the PMMA are integrally molded together to form the single-piece type intraocular lens,

wherein, at the joint position between each of the two arm-shaped members and the optic portion,

(i) a thickness of the optic portion is greater than a thickness of the respective arm-shaped member to form a step at the joint position between the posterior surface of the optic portion and the respective arm-shaped member, such that a transition from the posterior surface to the respective arm-shaped member includes a sudden shift in a direction toward the anterior surface at the joint position; and

(ii) there is no step at the joint position between the anterior surface of the optic portion and the respective arm-shaped member, such that a transition from the anterior surface to the respective arm-shaped member does not include a sudden shift in a direction toward the posterior surface at the joint position. A single-piece type intraocular lens obtained by shape processing a material formed by integrally molding an optic portion

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forming material and a support portion forming material, comprising a stepped part provided in a boundary between the optic portion and the support portion of the posterior surface of the lens so as to be arranged in such a way that the surface of a part shifting to a region of the support portion from the region of the optic portion suddenly shifts in a direction of an anterior surface of the lens, wherein

_____ the optic portion and an edge part located in a region of the optic portion of the stepped part are made of a soft acrylic material;

_____ the support portion is made of PMMA and serves as arm-shaped support members extended toward outside from parts of a peripheral edge of the optic portion, and

_____ there is no step on the anterior surface of the lens in the boundary between the optic portion and the support portion.

16. (Currently Amended) The single-piece type intraocular lens according to claim 15, wherein

_____ the optic portion has an optical axis; and

_____ the step at the joint position between the posterior surface and each of the arm-shaped members includes:

_____ (i) an stepped part has the edge part, the edge part being which is formed in a part of the optic portion side of the boundary part shifting to the support portion from the optic portion, having posterior surface at the joint position and a vicinity of the joint position; and

_____ (ii) a stepped face, the stepped face being a part of the periphery at the joint position and connecting from the edge part to the respective arm-shaped member, the stepped face corresponding to the sudden shift included in the transition from the posterior surface to the respective arm-shaped member and support portion serving as a wall face nearly in parallel to the optical axis of the optic portion.

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17. (Currently Amended) The single-piece type intraocular lens according to claim 16, wherein at each joint position, a difference between the thickness of the optic portion and the thickness of the respective arm-shaped member is the stepped part has a step difference with height of 0.05mm or more.

18. (Canceled)

19. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein ~~the surface of the posterior surface of the optic portion near the edge part is formed in a surface~~ substantially orthogonal to the optical axis.

20. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein ~~the surface of the posterior surface of the optic portion near the edge part is formed so as to rise~~ rises at the joint position in toward the edge part in a posterior direction of the optic portion.

21. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein a part of the stepped face ~~closer proximal to the support portion~~ respective arm-shaped member forms is formed into an acute angle with the respective arm-shaped member so as to be inclined incline toward in a direction of the optical axis closely to the center of the optical axis when connecting to the respective arm-shaped member.

22. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein a part of the stepped face ~~closer proximal to the~~ respective arm-shaped member forms support portion is formed into an obtuse angle with the respective arm-shaped member so as to be slightly inclined incline away from in a direction of the optical axis in a direction opposite to the center of the optical axis when connecting to the respective arm-shaped member.

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23. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein ~~a curved surface is formed in a part of the stepped face closer proximal to the respective arm-shaped member has a curved surface~~ support portion.

24. (Previously Presented) The single-piece type intraocular lens according to claim 17, wherein the stepped face is formed into a concavo-convex face.

25-32. (Canceled)

33. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein ~~the optical surface of the posterior surface of the optic portion is~~ includes an optical surface having formed into a convex shape.

34. (Currently Amended) A manufacturing method ~~of the single-piece type intraocular lens~~ for manufacturing the single-piece type intraocular lens according to claim 17, comprising:

preparing a raw material formed by integrally molding the ~~optic portion forming material~~ soft acrylic material and the ~~support portion forming material~~ PMMA;

cutting the raw material, thereby forming a curved surface shape of the optical surfaces ~~of both sides of the anterior surface and the posterior surface of the optic portion, and a front surface shape of the two arm-shaped members~~ support portion located on both sides corresponding to of the anterior surface and the posterior surface of the optic portion;

next, grooving a part where the stepped part is estimated to be formed, thereby forming a surface serving as a ~~the~~ stepped face; and

next, forming by cutting a contour shape excepting the anterior surface and posterior surface of the optic portion, and ~~the a~~ a contour shape excepting ~~the a~~ a surface shape of the two arm-shaped members on both sides corresponding to ~~located on both sides of the anterior surface and posterior surface of the optic portion of the support portion.~~

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35. (New) The single-piece type intraocular lens of claim 15, wherein the soft acrylic material and the PMMA are integrally molded together by shape processing.